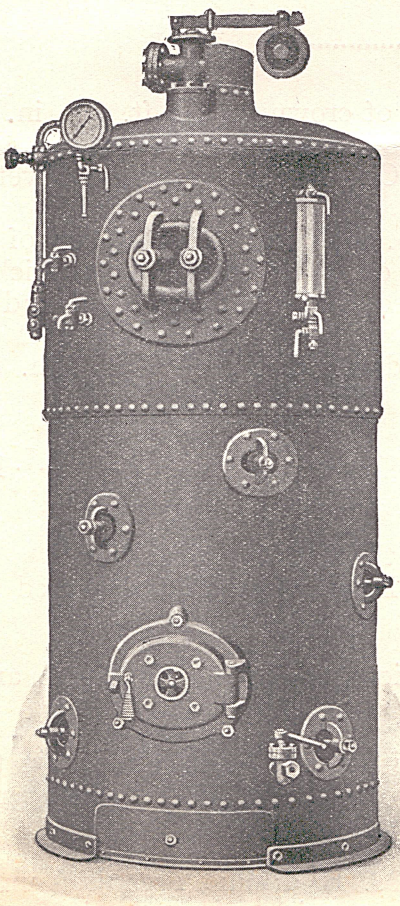
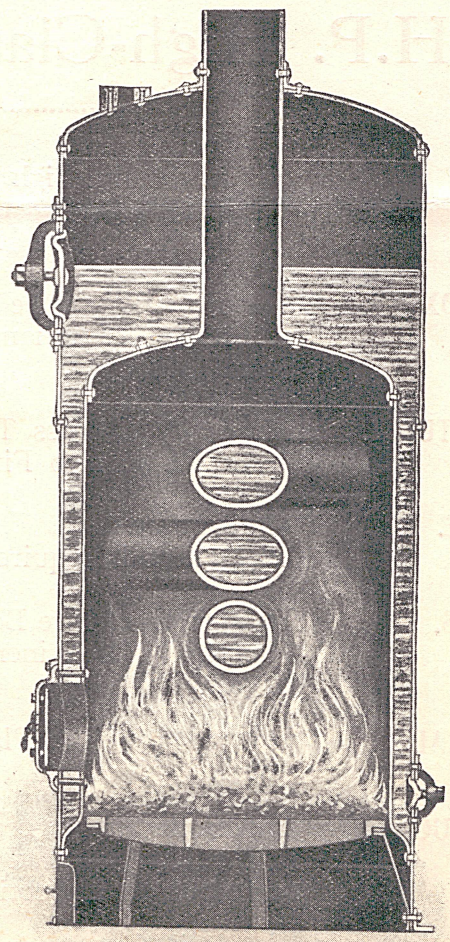
SPECIFICATION.

FOR HIGH-CLASS

VERTICAL STEAM BOILER

(Cross Tube Type).





LUMBYS LIMITED

Greetland Boiler Works - - Halifax, Eng.

Telephone : 125 ELLAND (2 lines).
Telegrams and Cables : " Lumbys, Greetland."

Codes used :
A.B.C. 5th Edition. Marconi International.
„ 6th Edition (5 letter Code). Western Union.

London Office : 228, Shaftesbury Avenue, W.C.2.
Telegrams : " Solarisms, Westcent, London."
Telephone : 2725, Temple Bar, London.

General Terms and Conditions of Sale.

INSPECTION—All tests and inspections to be made at our works. Such tests and inspections to be final.

DELIVERY—In case of strikes, lockouts, combinations of workmen, delays by supplies of material, breakdowns or any other unavoidable or partial stoppage of works, the delivery may be suspended but not cancelled. This clause applies both to buyer and seller.

Time of delivery indicated is without guarantee or penalty.

RETURNS—Customers desirous of returning or exchanging any goods must arrange for same before returning. Returned goods are subject to a charge for restocking. Goods made specially cannot be taken back.

CARRIAGE—Carriage will be paid on the following values :—

Boilers, Radiators and H.W. Fittings ... ... £7 net value.
Copper and Brass goods ... ... £10 net value.

Smaller orders carriage forward irrespective of any other goods ordered.
All goods for Ireland delivered to Irish Port only. (*Duty not included.*)

DAMAGE—In consequence of the frequent damage to sockets in transit it is requested that care be taken to see that the socket joints are perfectly sound before surrounding the Boiler with brickwork, as no claim will be allowed for leakages arising from such damage.

Goods damaged in transit should be returned at once by the same Railway Company, marked—**CARRIAGE FREE, BROKEN IN TRANSIT.**

Any goods broken or delayed in transit or not to order will be replaced free of cost, but no allowance will be made for any charges or expenses.

Any deductions or allowances from the invoice must be claimed immediately, as no allowance can be made at settlement unless previously arranged for.

GUARANTEE—Each boiler is guaranteed for a period of two years. We will replace or repair at our option any Boiler returned to our works proving defective in workmanship or material within this time. The Heating Surfaces, powers, contents or capacities of Boilers, Radiators, and other articles are calculated as carefully as possible, and are the accepted commercial standards, but we do not guarantee same. We do not accept any responsibility for Boilers which fail in consequence of " incrustation " or the effect of soft water or the Bower Barffing process. We do not accept liability for charges, expenses, or damages occasioned by defects in manufacture. Copper and brass goods do not carry any guarantee after leaving our works.

All quotations given and all sales made are upon the express condition that although the goods supplied are of sound commercial quality, there is no guarantee of their suitability for any specific purpose, even if that purpose is known to the Vendors.

Goods not of our manufacture are guaranteed only to the extent of the maker's warranty and without any further responsibility on our part.

ILLUSTRATIONS are, generally speaking, correct, but may vary in the style of castings, as improvements are made from time to time to keep our designs in accordance with new developments.

TESTING—All Boilers are tested to a heavy steam or hydraulic pressure before leaving the works, and a certificate of the test will be supplied if desired.

TERMS—Settlement terms are usually stated in quotations, but in the absence of terms being stated, the settlement terms are 2½ per cent. monthly account ; afterwards strictly net.

Cash or satisfactory reference is required with new accounts.

All prices are subject to alteration without notice, although we shall endeavour to notify any change.

450. 6/37. A. G. & S.

M/s Co-operative Wholesale Society Ltd., Scunthorpe.

Date March 4th/1938

Specification for

2 N.H.P. High-Class Vertical Steam Boiler.

SHELL. 5 ft. 0 in. high from floor to top of crown, x 2 ft. 6 in. diameter, Vertical Seams Double Riveted, composed of 1 Belts, each Belt in one plate only, and 5/16 in. thick, Circular Seams Single Riveted.

FIRE BOX. The Fire Box to be 3 ft. 3 in. high from floor to top of Crown, x 2 ft. 0 in. diameter, composed of one plate only, 5/16 in. thick, Vertical Seam Welded. No Screwed Stays between shell and firebox.

CROSS TUBES. 1 Cross Tubes 7 in. diameter x 3/8 in. thick and Welded into Fire Box.

UPTAKE. The Uptake to be 7 in. outside diameter by 3/8 in. thick. C.I. protecting liner extra if required.

CROWNS. The Crown of Fire Box to be 3/8 in. thick, Crown of Boiler 3/8 in. thick, Flanged by Machinery and Riveted. Both Crown Plates flanged to receive Uptake.

MATERIAL. The whole of the Plates to be best Siemens-Martin Mild Steel, and Rivets also Mild Steel.

CONSTRUCTION. The Boiler to be constructed and finished in the best manner, the whole of the Riveting and Flanging to be done by Machinery where practicable, and open to inspection during construction.

PRESSURE. The Boiler to be tested to 160 lbs. Hydraulic Pressure, and suitable for a working pressure of 80 lbs. per sq. in. Test Certificate furnished if necessary.

MANHOLES. The Boiler to have Large Manhole with Compensating Ring riveted round same, fitted with Embossed Steel Cover, and double Steel Bridges, Embossed Steel Mudhole and Cover with Steel Bridge opposite each Tube, and 3 round bottom of Boiler, without Compensating Rings riveted round same. One Set of Jointing Rings for Manhole and Mudholes included.

FITTINGS. The Boiler to be fitted with Massive Cast Iron Fire Door and Frame, with Baffle Plate and Ventilator. One Set of Heavy Cast Iron Fire Bars. (Chimney, Damper and Stoking Tools, etc., extra if required.)

STEAM MOUNTINGS.

Extra

The Boiler to be fitted with One Open Type Lever Safety Valve with side branch for live steam outlet, 1½ in. diameter.

1½ in. diameter G.M. Steam Stop Valve.

One Set of ½ in. Water Gauges with Asbestos packed Cocks 12 in. Centres. Screwed 3/4 in. B.S. Iron P.T.

Plate Glass Protectors fitted to Water Gauges.

2— ½ in. Asbestos packed Trial Cocks, screwed 3/4 in. B.S. Iron P.T. (with cleaning plugs).

One 5 in. Bourdon Steam Pressure Gauge with Syphon and Cock; screwed 3/8 in. B.S. Iron P.T.

One 3/4 in. Asbestos packed Blow-off Cock screwed ends; and Iron Spanner.

One improved pattern Fusible Plug. Screwed 1 in. B.S. Iron P.T.

One 3/4 in. Combined angle pattern Feed Check Valve and Gland Shut-Off Cock with screwed ends; or

INJECTOR (Charged extra if required)

No. 2 Class 'O' Hall's Injector, complete with Pipes and Valves for Steam and Delivery Connections. (Feed Tank and Cold Supply Pipe not included.) Injector not supplied unless specially ordered.

Lumbys Limited.